

67-2235

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26 April 1967

The Counter Intelligence Agency of
The United States

Gentlemen:

I would appreciate your directing this communication to your appropriate department - that concerned with photographic image resolution.

In my physiological optics research, a theory has been evolved which concludes that the quality of the image received by the retina of the normal eye is low, so that according to current static theories of visual resolution, we could achieve no better than 20/200 vision or thereabout. I refer you to my paper "A

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The theory proposes an explanation of how normal rapid eye movements (physiological nystagmus), iris tremor and possible accommodative tremor serve as a physiological mechanism system which enables the normal eye to resolve an image of poor quality as well as it does.

A device was designed and fabricated to schematically duplicate the principle of nystagmoid compensation. Photographic experiments confirmed a graphic analysis demonstrating the refinement of blurred imagery.

It is my belief that this system may be extended so that it may be possible to optically resolve beyond the wave length of light (the currently held resolution limit of an optical system) by retrieving the information from overlapping discs of confusion so as to achieve meaningful resolution beyond the theoretical limits.

I have not yet published my work in view of the possibility that this material may be in the national interest. If the project would represent a contribution within your frame of reference, I would demonstrate and discuss my findings with your representative.

EXECUTIVE REGISTRY FILE

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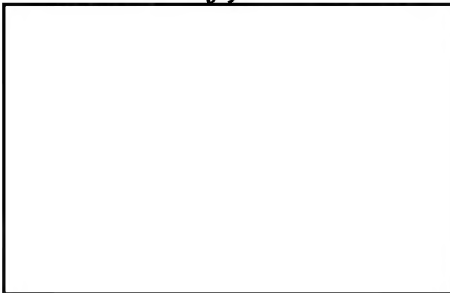
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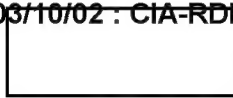
Your expeditious response would be appreciated so that I may know whether or not to proceed with publication.

Yours truly,

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26 April 1967

The Office of the President of the United States
White House
Washington, D. C.

To Whom It May Concern:

I wish to submit the enclosed note to the Counter Intelligence
Agency of the United States.

Your forwarding my letter would be greatly appreciated.

Yours truly,

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MEMORANDUM FOR: EA/DCI

Chuck:

*ER: File
as is.*

[redacted] NPIC's senior
technical officer, joined by an
[redacted] will
meet with the writer on 10 May.

[redacted]

The proposal looks interesting,
although some R&D work now being
done for us on the West Coast may
have scooped the writer.

Do you want to be kept posted? (DATE)

FORM NO. 101 REPLACES FORM 10-101
1 AUG 54 WHICH MAY BE USED.

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